

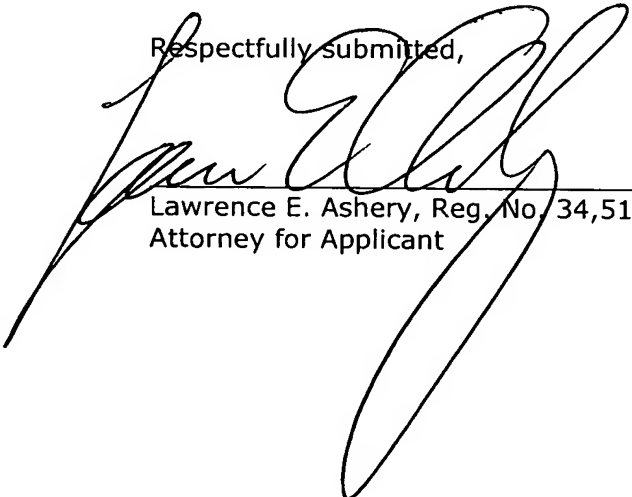
Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

ABSTRACT

A piezoelectric vibrator ~~of the present invention~~ has a laminated structure where silicon oxide films ~~(3)~~ having substantially the same thickness are disposed at both faces of piezoelectric plate ~~(1)~~ as dielectric films. Using the structure discussed above, because dielectric films are formed at the both faces of the piezoelectric plate (1), a difference of internal stress, which is caused by a difference of stress relaxation in a long term and affects the piezoelectric plate (1) or the dielectric film, becomes small. Therefore, a warp can be considerably small. As a result, a change, which is caused by the warp of the piezoelectric vibrator, in a resonance frequency of the piezoelectric vibrator can be small.

Respectfully submitted,


Lawrence E. Ashery, Reg. No. 34,515
Attorney for Applicant

LEA/dmw

Attachment: Abstract

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P.O. Box 980
Valley Forge, PA 19482
(610) 407-0700

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Kathleen Libby

ABSTRACT

A piezoelectric vibrator has a laminated structure where silicon oxide films having substantially the same thickness are disposed at both faces of piezoelectric plate as dielectric films. Using the structure discussed above, because dielectric films are formed at the both faces of the piezoelectric plate a difference of internal stress, which is caused by a difference of stress relaxation in a long term and affects the piezoelectric plate or the dielectric film, becomes small. Therefore, a warp can be considerably small. As a result, a change, which is caused by the warp of the piezoelectric vibrator, in a resonance frequency of the piezoelectric vibrator can be small.